

SD Biosensor dhd-sd-100

SD Codefree Blood Glucose Test Strips User Manual

Model: dhd-sd-100

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1. INTRODUCTION

The SD Codefree Blood Glucose Test Strips are designed for use with the SD Codefree Blood Glucose Monitoring System to quantitatively measure glucose in fresh capillary whole blood samples. These strips are intended for *in vitro* diagnostic self-testing by people with diabetes at home and by healthcare professionals in clinical settings as an aid in managing diabetes.

This manual provides essential instructions for the proper use and care of your test strips. Always refer to your SD Codefree Blood Glucose Monitor's user manual for complete system instructions.

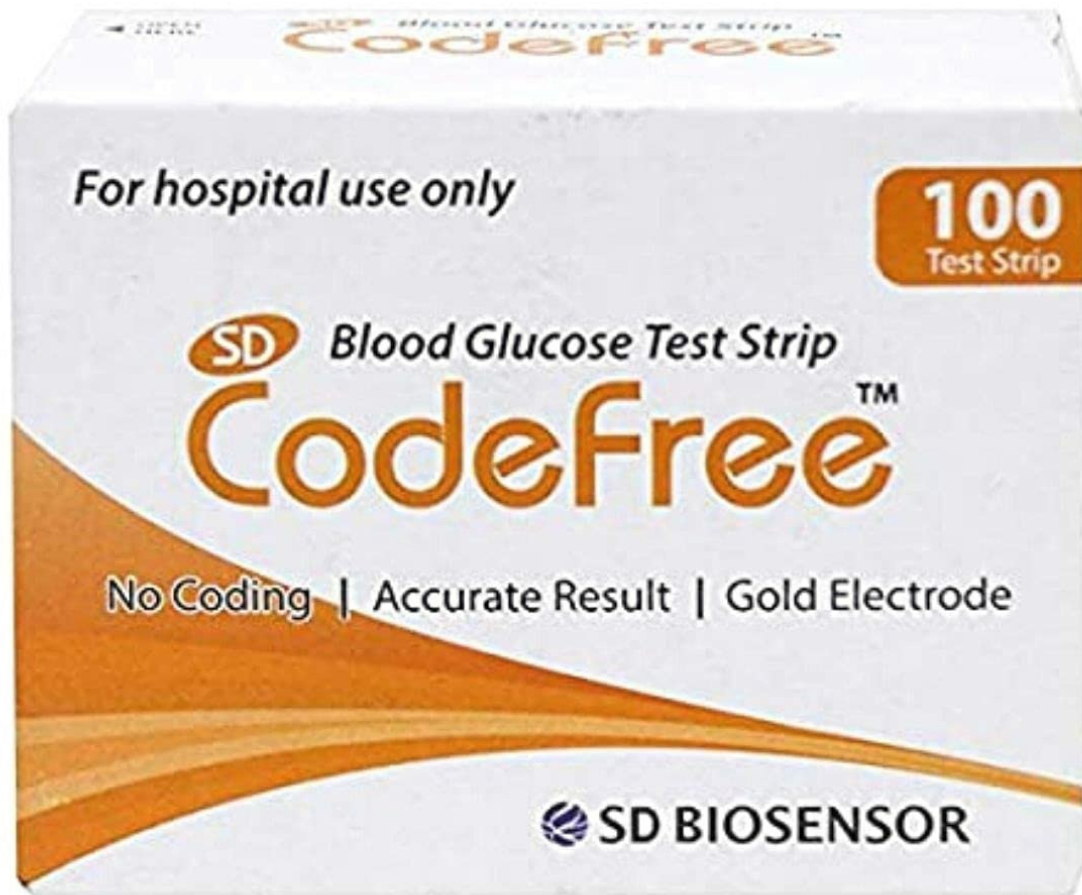


Figure 1: Packaging for SD Codefree Blood Glucose Test Strips. This image shows the outer box containing the test strips, indicating the brand "SD Codefree" and the product's purpose.

2. SETUP

2.1 Unpacking and Inspection

Upon receiving your SD Codefree Blood Glucose Test Strips, carefully open the package. Inspect the vial of test strips for any signs of damage or tampering. Ensure the expiration date printed on the vial and box has not passed. Do not use expired or damaged test strips.

2.2 Compatibility

These test strips are specifically designed for use with the **SD Codefree Blood Glucose Monitor**. They are not compatible with other blood glucose monitoring systems. Using these strips with an incompatible meter may lead to inaccurate results.

2.3 Inserting a Test Strip

1. Remove one test strip from the vial. Immediately close the vial cap tightly to protect the remaining strips from moisture.
2. Insert the test strip into the test strip port of your SD Codefree Blood Glucose Monitor. Ensure the strip is

inserted in the correct direction, with the contact bars fully engaged.

3. The monitor will turn on automatically and display a test strip symbol, indicating it is ready for a blood sample.

3. OPERATING INSTRUCTIONS

3.1 Preparing for a Blood Glucose Test

- Wash your hands thoroughly with warm, soapy water and dry them completely. This helps prevent infection and ensures an accurate sample.
- Prepare your lancing device according to its instructions.
- Ensure you have a fresh test strip from a vial that has been properly stored and is not expired.

3.2 Obtaining a Blood Sample and Applying to Strip

1. Prick the side of your fingertip with the lancing device to obtain a blood drop.
2. Gently squeeze your finger to form a round drop of blood. Do not smear the blood.
3. Touch the tip of the test strip to the blood drop. The blood will be automatically drawn into the strip. Do not apply blood to the top of the strip.
4. Hold the strip to the blood drop until the confirmation window on the strip is completely filled. The monitor will beep and begin counting down.

3.3 Reading Results

After the countdown, your blood glucose result will appear on the monitor's display. Record your result in your logbook or diabetes management app. Remove the used test strip from the monitor and dispose of it properly.

3.4 Important Considerations

- Do not reuse test strips. Each strip is for single use only.
- Ensure the blood sample is sufficient to fill the confirmation window. Insufficient blood may lead to an error message or inaccurate results.
- If the monitor displays an error message, refer to your SD Codefree Blood Glucose Monitor's user manual for specific error codes and troubleshooting steps.

4. MAINTENANCE

4.1 Storage of Test Strips

- Store test strips in their original vial with the cap tightly closed.
- Keep the vial in a cool, dry place between 2°C and 30°C (36°F and 86°F). Do not refrigerate or freeze.
- Protect from direct sunlight and heat.
- Use test strips within the expiration date printed on the vial and box. Once the vial is opened, use the strips within the period specified in your monitor's manual (typically 3-6 months). Write the discard date on the vial label.

4.2 Disposal of Used Materials

Dispose of used test strips and lancets in a puncture-resistant sharps container immediately after use. Follow local regulations for proper disposal of medical waste.

5. TROUBLESHOOTING

If you encounter issues during testing, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Monitor does not turn on after inserting strip.	Strip inserted incorrectly; monitor battery low.	Reinsert strip correctly. Check/replace monitor batteries.
"Error" message displayed.	Insufficient blood sample; expired or damaged strip; extreme temperature.	Repeat test with a new strip and sufficient blood. Ensure strips are not expired and stored correctly. Test in recommended temperature range.
Result seems unusually high or low.	Improper testing technique; expired or damaged strip; control solution needed.	Review operating instructions. Perform a control solution test. Consult your healthcare professional.

For detailed error codes and advanced troubleshooting, refer to your SD Codefree Blood Glucose Monitor's user manual or contact customer support.

6. SPECIFICATIONS

- **Product Name:** SD Codefree Blood Glucose Test Strips
- **Brand:** SD Biosensor
- **Model Number:** dhd-sd-100
- **Specific Uses:** Blood Glucose Test
- **Number of Pieces:** 100 per package (as per product description)
- **Storage Temperature:** 2°C - 30°C (36°F - 86°F)
- **Compatibility:** SD Codefree Blood Glucose Monitor
- **Test Type:** *In vitro* diagnostic

7. WARRANTY INFORMATION

SD Codefree Blood Glucose Test Strips are consumable items. For information regarding any limited warranty that may apply to manufacturing defects, please refer to the documentation provided with your SD Codefree Blood Glucose Monitor or contact SD Biosensor directly. Test strips are typically guaranteed until their expiration date, provided they are stored and used according to instructions.

8. CUSTOMER SUPPORT

If you have questions about the SD Codefree Blood Glucose Test Strips or require technical assistance, please contact SD Biosensor customer support. Refer to your SD Codefree Blood Glucose Monitor's user manual or the SD Biosensor official website for contact details.

Legal Disclaimer: Statements regarding dietary supplements have not been evaluated by the FDA and are not intended to diagnose, treat, cure, or prevent any disease or health condition.

